

DENTAL CAPSULE FOR PLACEMENT OF HIGH VISCOSITY DENTAL COMPOSITE MATERIAL WITH REDUCE EXTRUSION FORCE

ABSTRACT OF THE DISCLOSURE

A dental capsule for extruding high viscosity dental material providing reduced extrusion force. The dental capsule comprises a body portion, a transition portion and a discharge portion. The transition portion has an axis having an angular relationship with the axis of the body portion and the axis of the discharge portion. This relationship and transitional portion reduces the extrusion force required in extruding high viscosity dental material. In another embodiment of the present invention, a flexible piston having a conical front end is utilized to more fully extrude the dental material from the dental capsule. The dental capsule may have flexible walls with the flexible piston and walls cooperating to extrude substantially all of the dental material. The present invention, when used with high viscosity dental materials, results in less extrusion force required and does not damage the dental material during extrusion.